

FIG. 1A

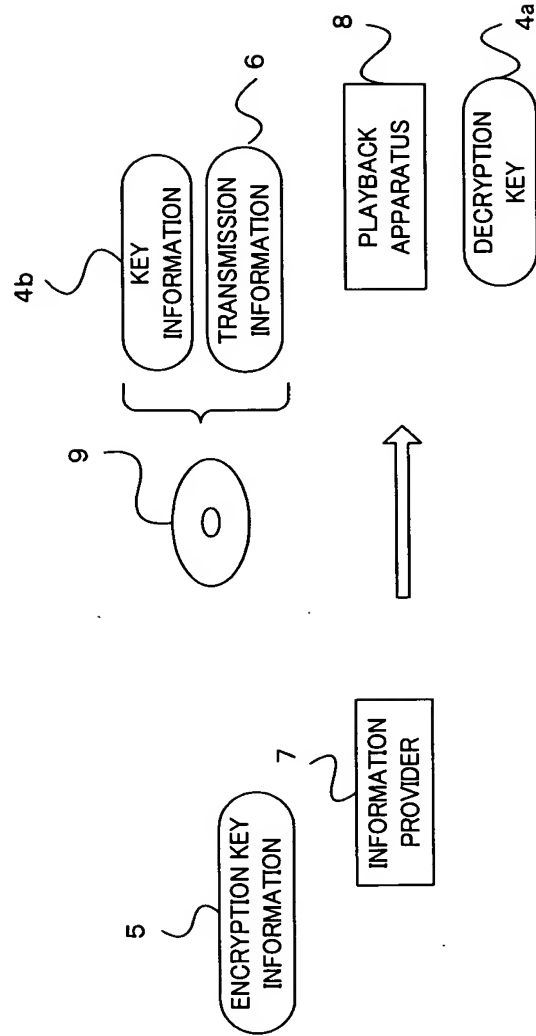


FIG. 1B

FIG. 3B

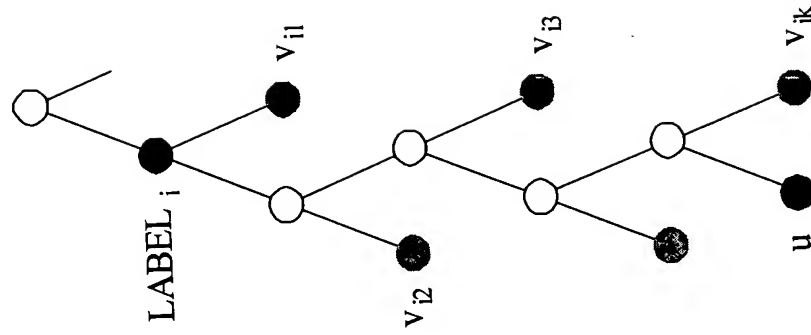


FIG. 3A

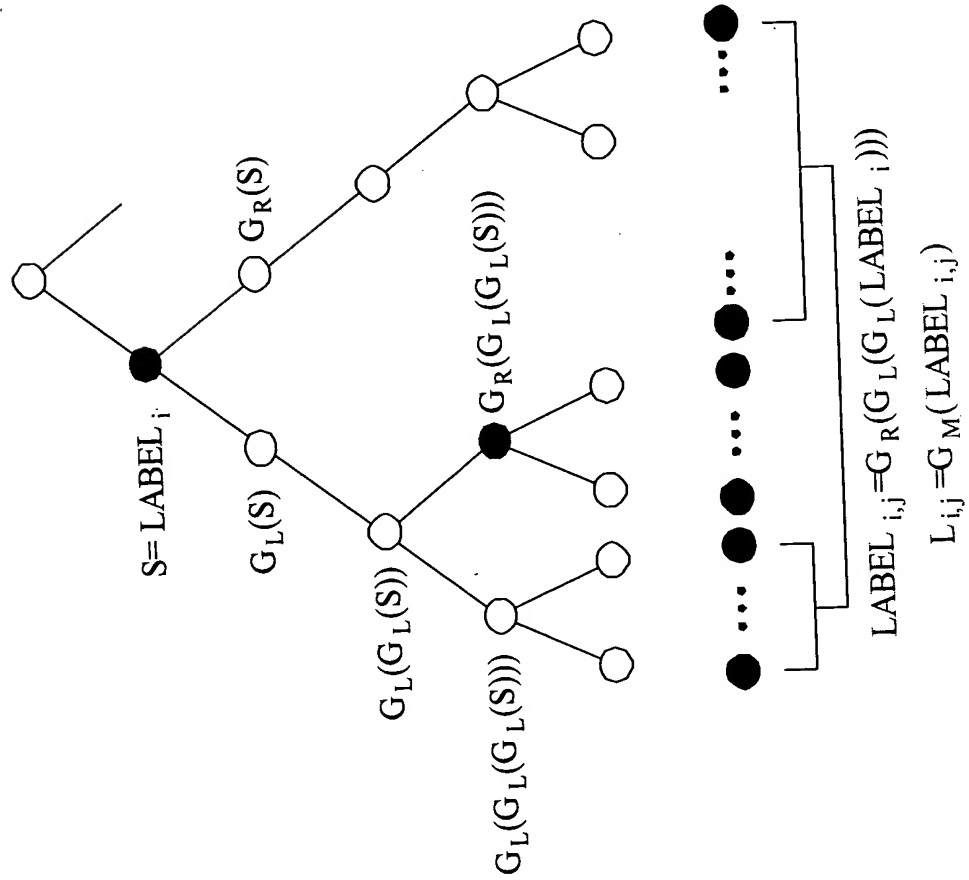


FIG. 4

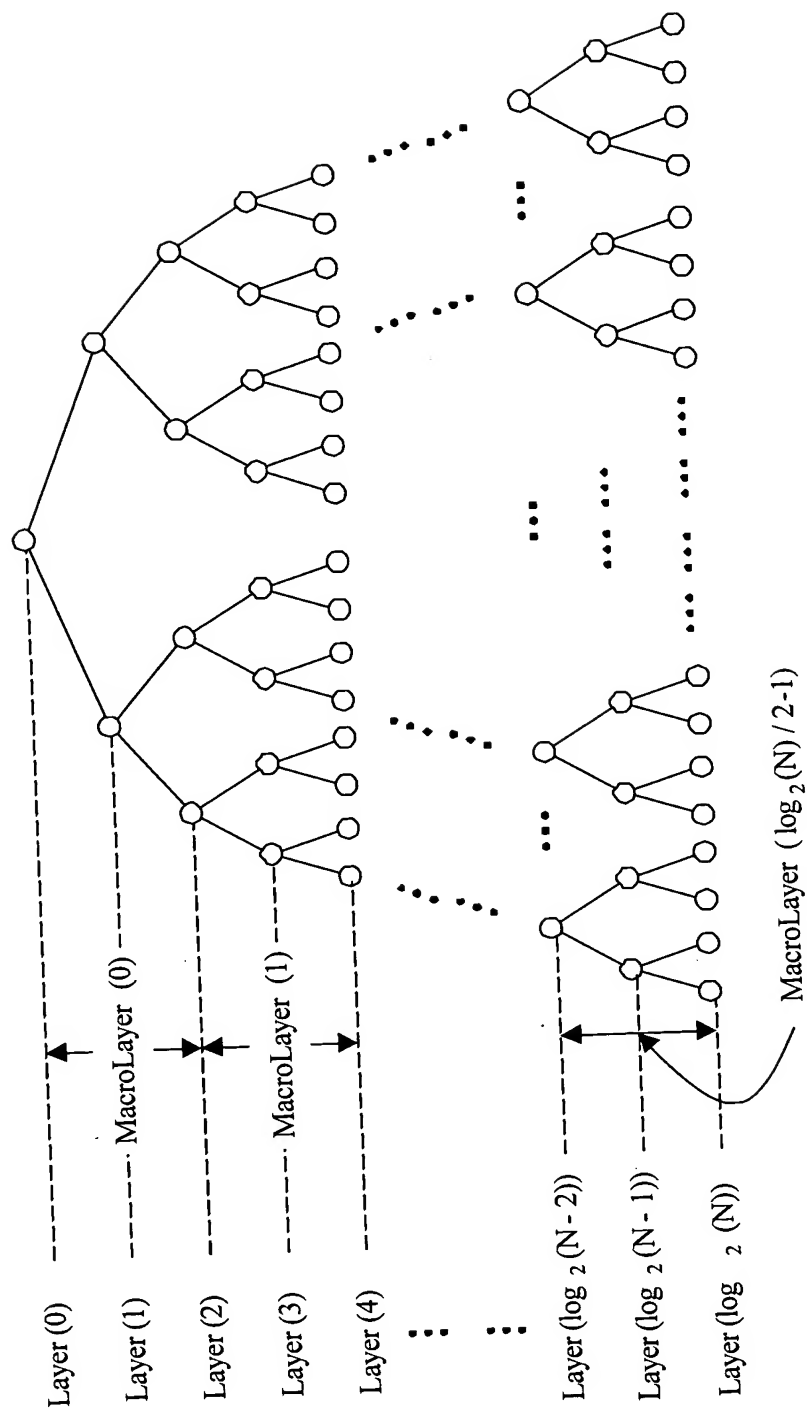


FIG. 5

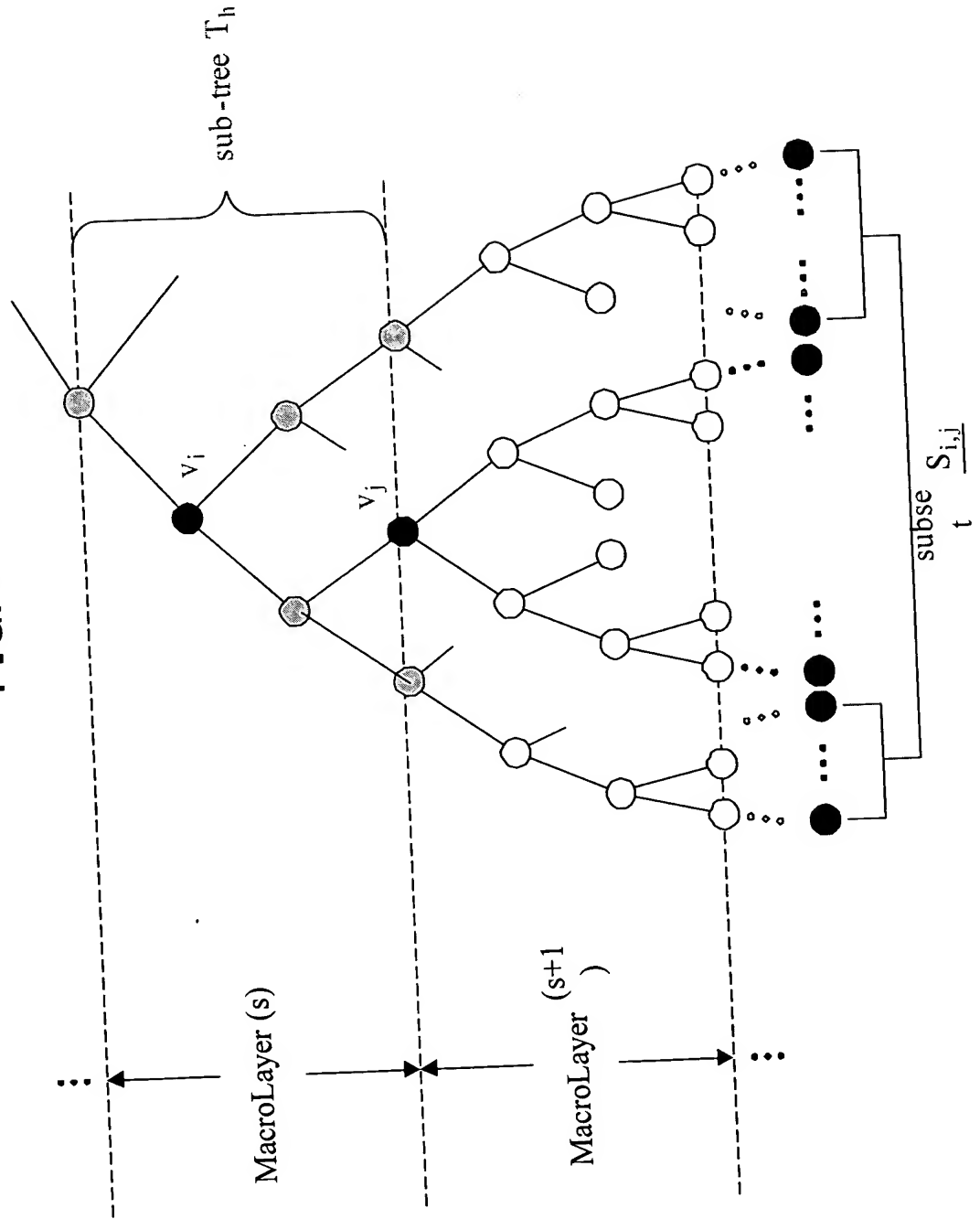


FIG. 6

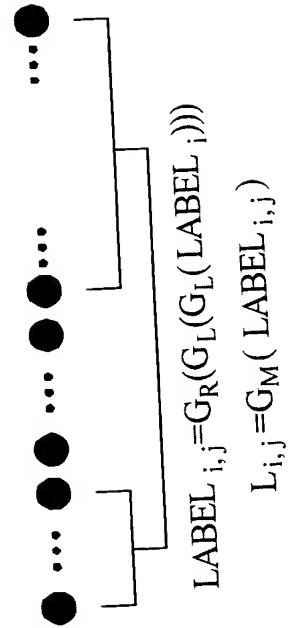
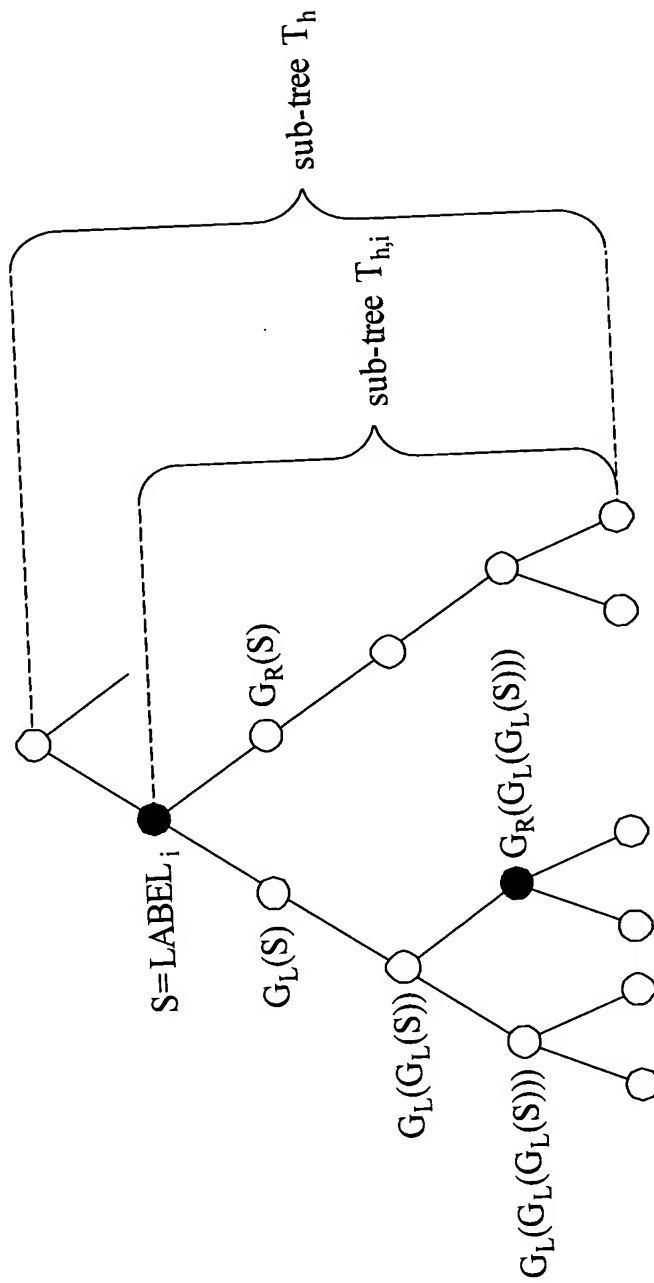


FIG. 7

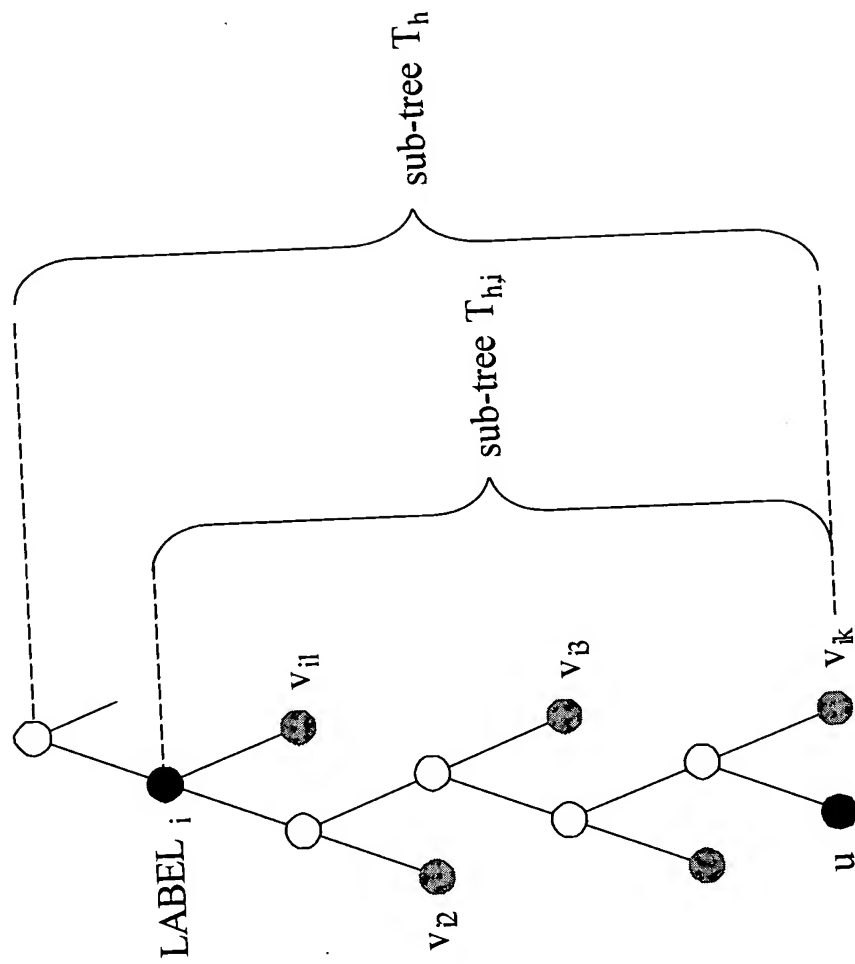
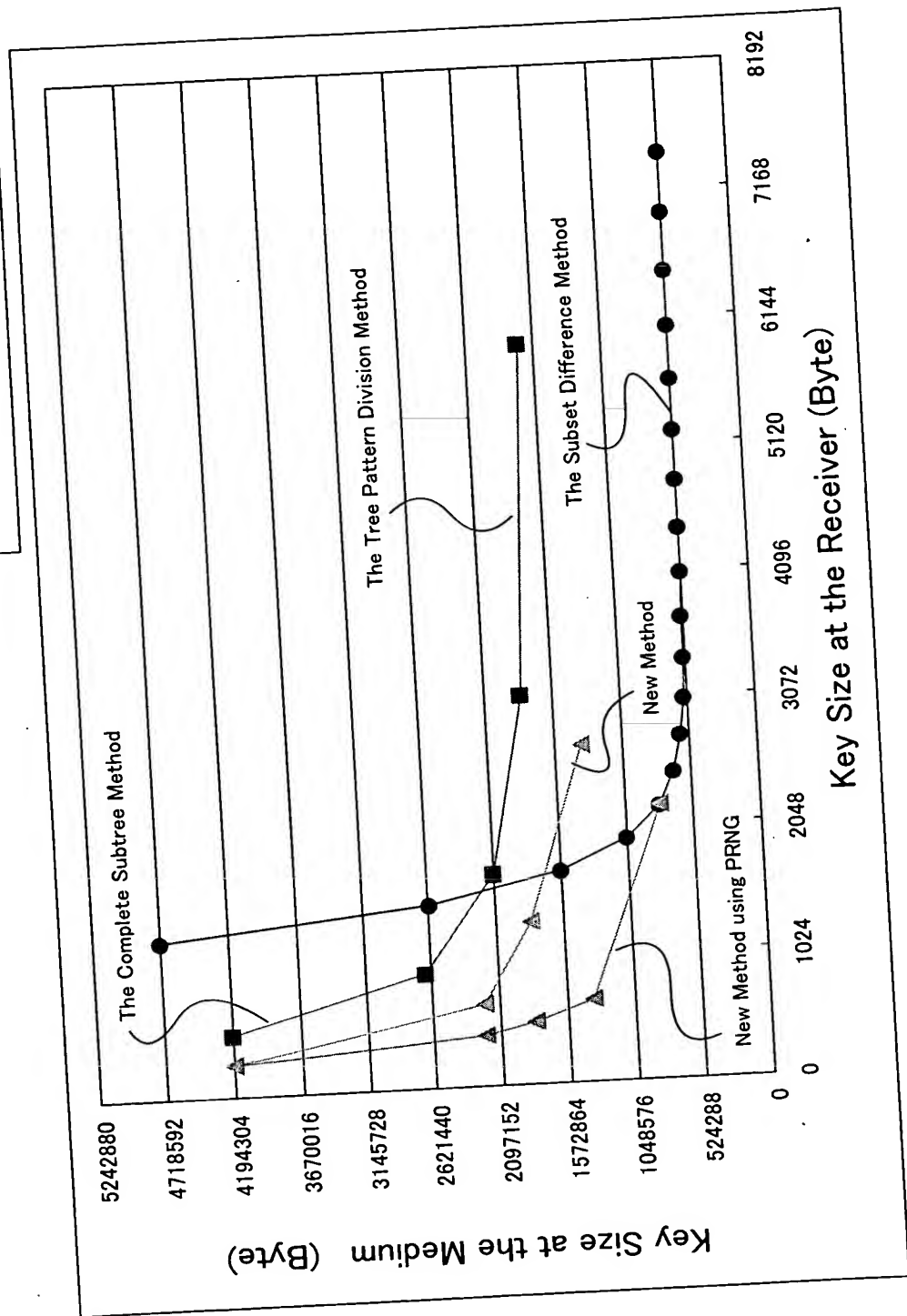


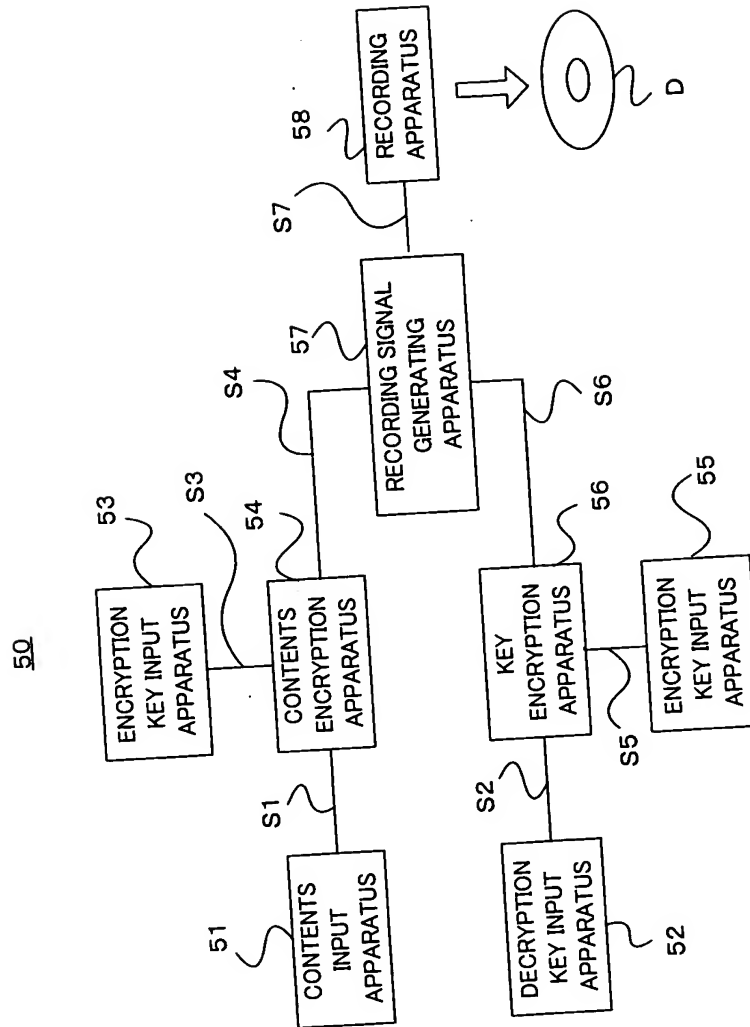
FIG. 8

(CONDITION)
 The total number of receivers $N = 2^{30} = 1,073,741,824$
 The number of revoked receivers $r = 14 = 16,384$
 Key Size 128bit



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FIG. 9



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FIG. 10A

SIGNAL S1



FIG. 10B

SIGNAL S2

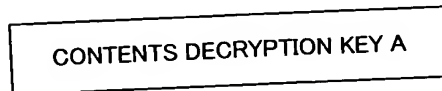


FIG. 10C

SIGNAL S3

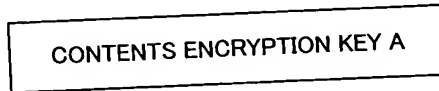


FIG. 10D

SIGNAL S4

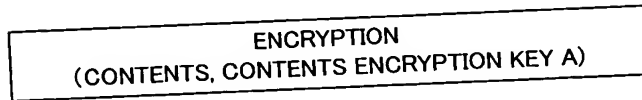
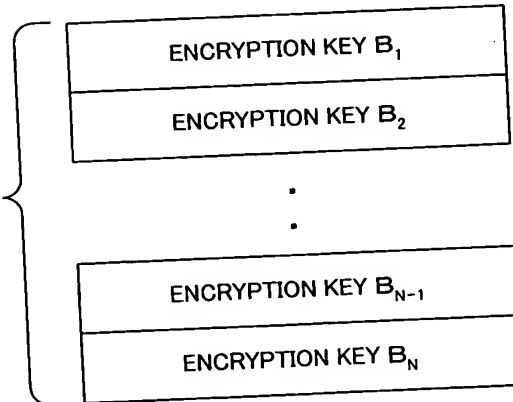


FIG. 10E

SIGNAL S5



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FIG. 11A

SIGNAL S6

HEADER (HEADER ENCRYPTION KEY B_1)	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY B_1)
HEADER (HEADER ENCRYPTION KEY B_2)	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY B_2)
⋮	
HEADER (HEADER ENCRYPTION KEY B_{N-1})	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY B_{N-1})
HEADER (HEADER ENCRYPTION KEY B_N)	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY B_N)

FIG. 11B

SIGNAL S7

HEADER (HEADER ENCRYPTION KEY B_1)	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY B_1)
HEADER (HEADER ENCRYPTION KEY B_2)	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY B_2)
⋮	
HEADER (HEADER ENCRYPTION KEY B_{N-1})	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY B_{N-1})
HEADER (HEADER ENCRYPTION KEY B_N)	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY B_N)
ENCRYPTION (ENCRYPTION CONTENTS, CONTENTS ENCRYPTION KEY A)	
ERROR CORRECTING CODE	

FIG. 12

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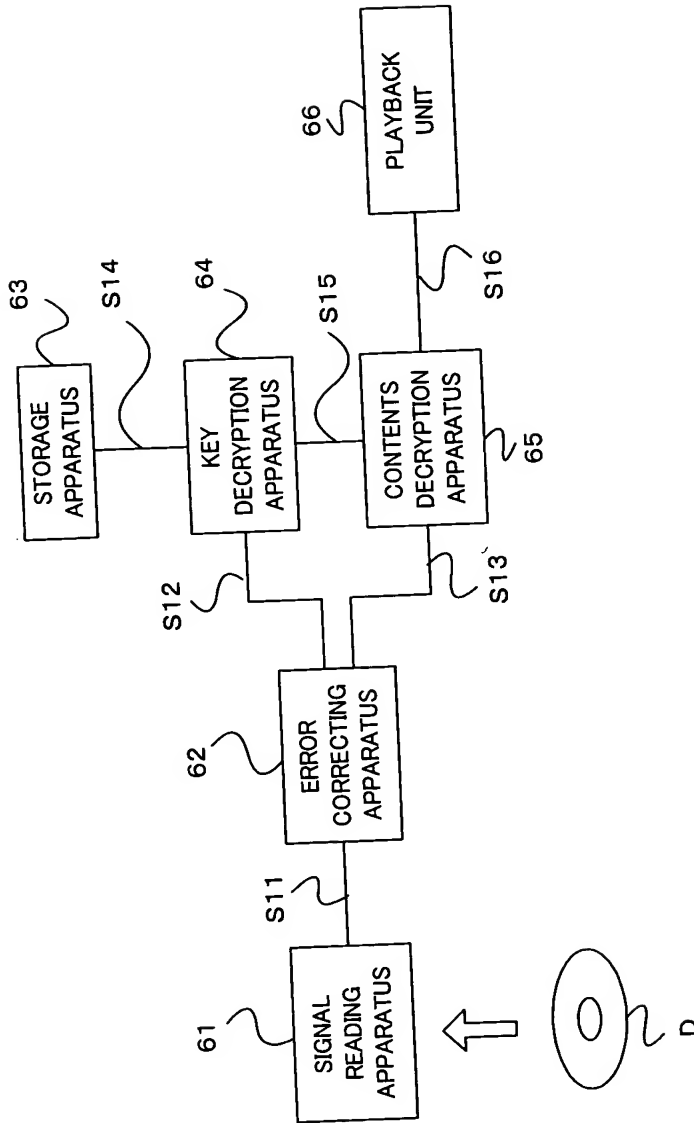


FIG. 13A

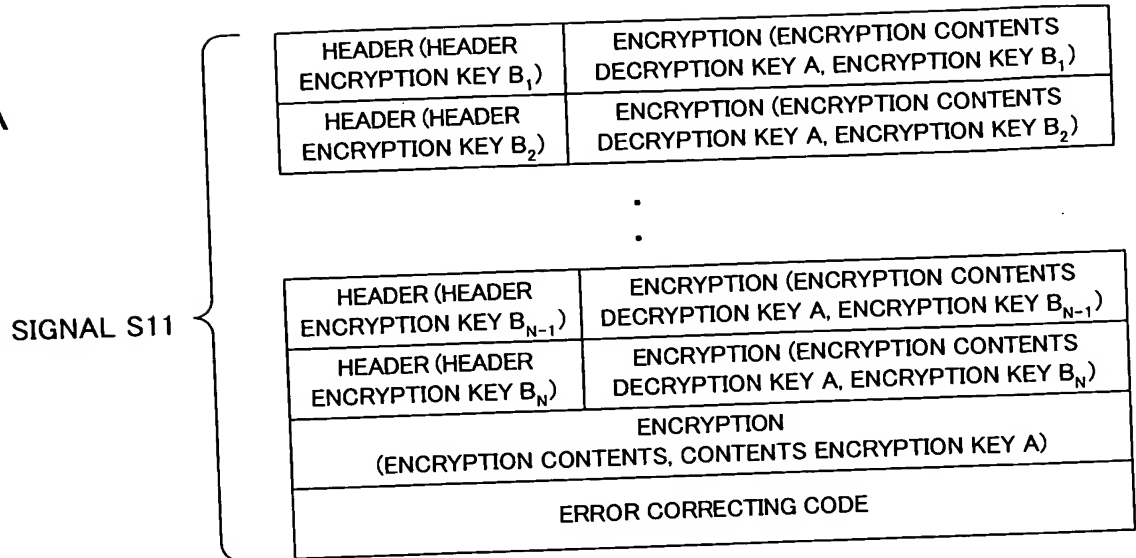


FIG. 13B

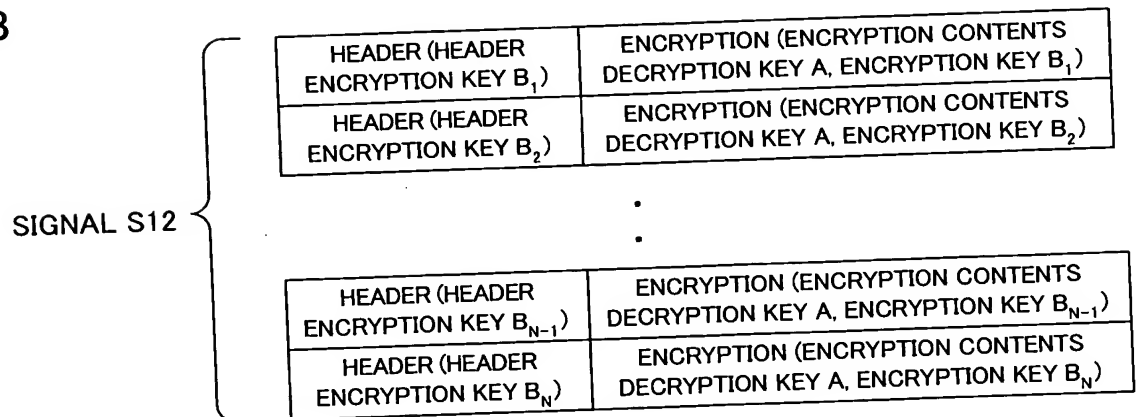


FIG. 14A

SIGNAL S13

ENCRIPTION (ENCRIPTION CONTENTS,
CONTENTS ENCRIPTION KEY A)

FIG. 14B

SIGNAL S14

HEADER (HEADER DECRIPTION KEY B ₁)	DECRIPTION KEY B ₁
HEADER (HEADER DECRIPTION KEY B ₁)	DECRIPTION KEY B ₂
.	
HEADER (HEADER DECRIPTION KEY B _{M-1})	DECRIPTION KEY B _{M-1}
HEADER (HEADER DECRIPTION KEY B _M)	DECRIPTION KEY B _M

FIG. 14C

SIGNAL S15

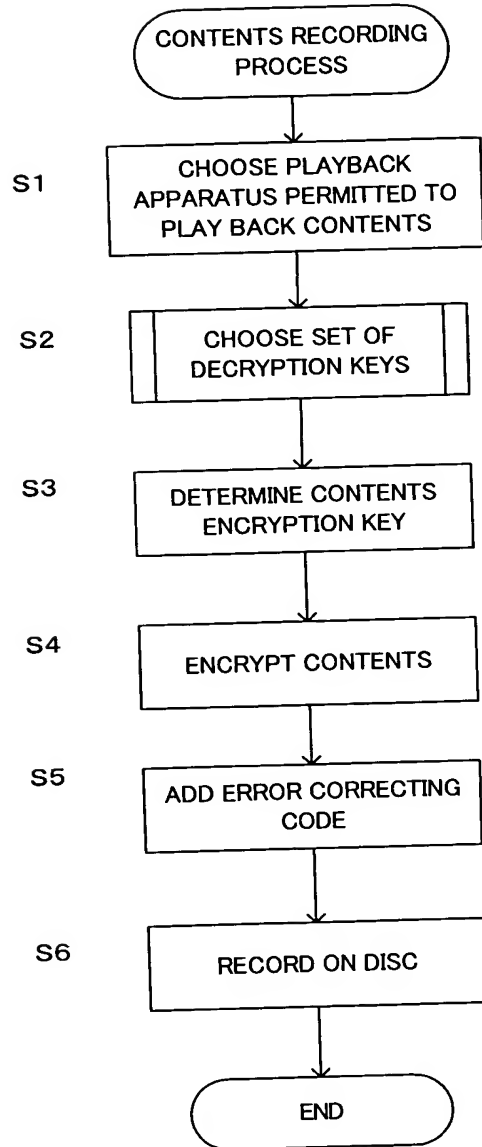
CONTENTS DECRIPTION KEY A

FIG. 14D

SIGNAL S16

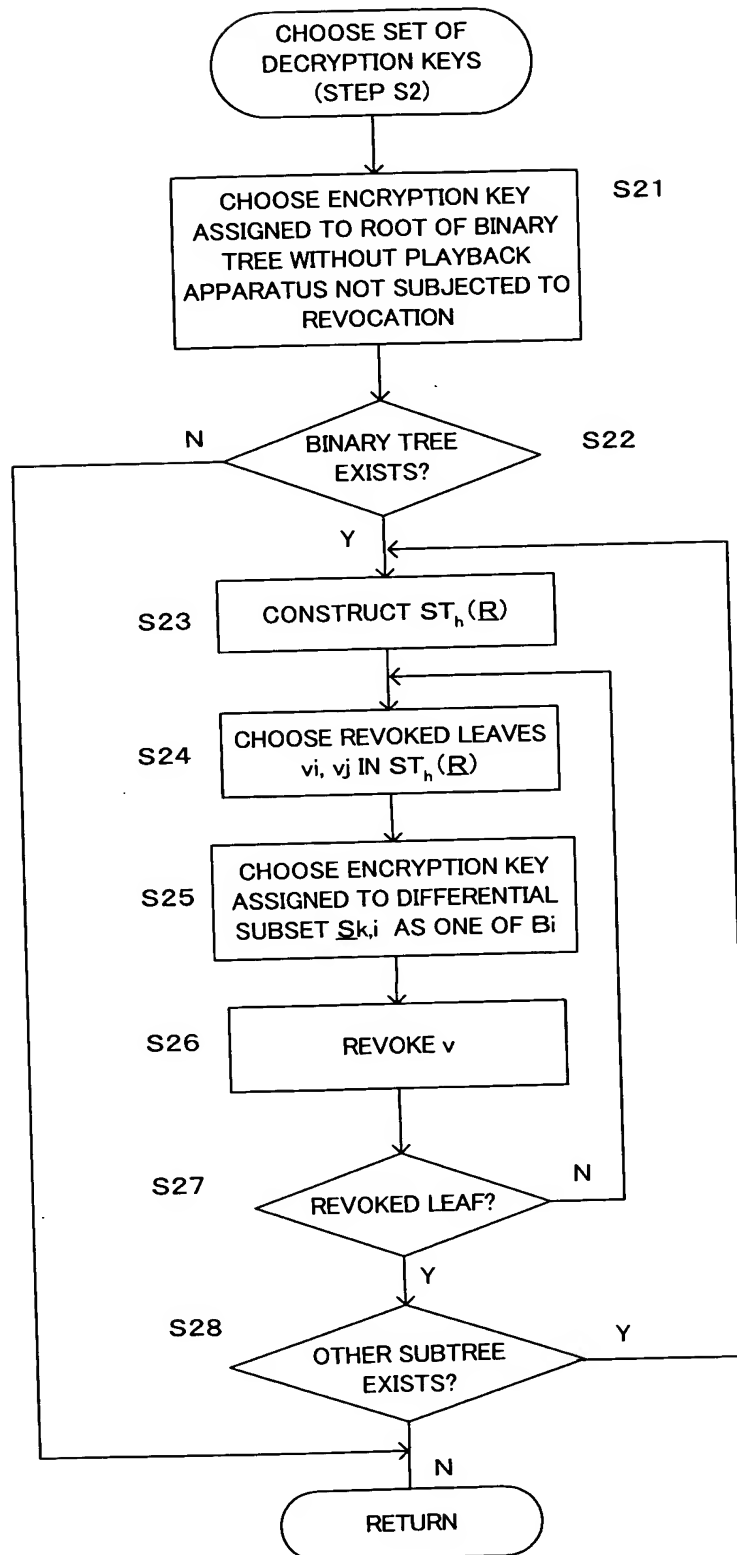
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FIG. 15



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FIG. 16



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FIG. 17

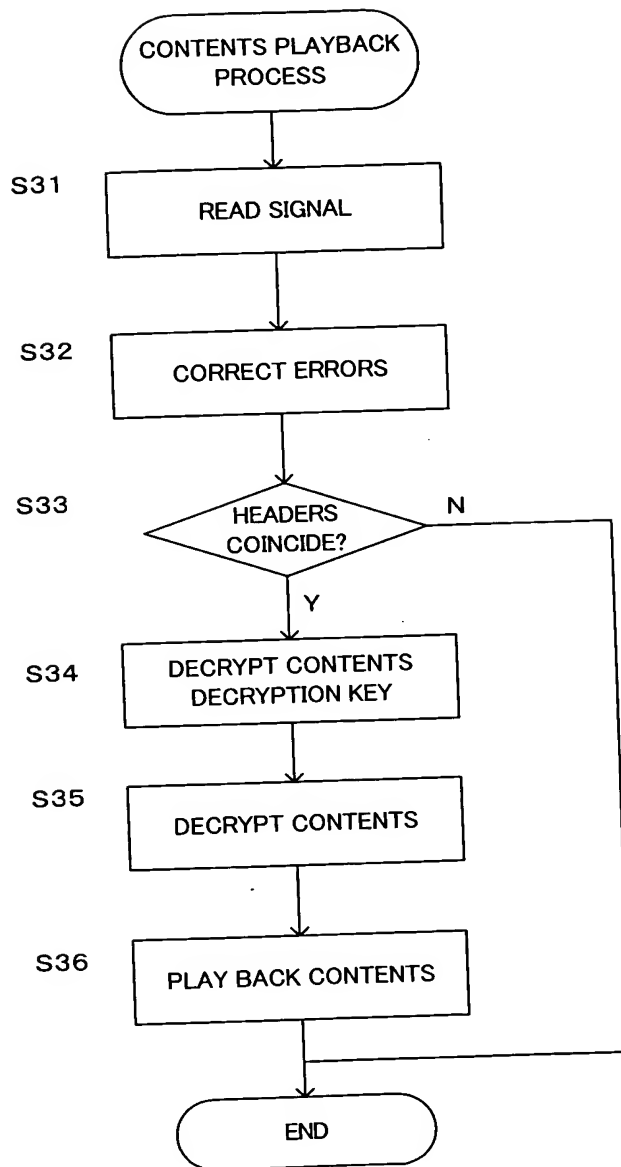


FIG. 18

